

APPENDIX A

FORUM AGENDA

**Forum on
Risk Management and Assessments of
Natural Hazards**

***Toward a Safer America: Building Natural Hazard Resistant Communities
Through Risk Management and Assessments***

AGENDA

Monday, February 5, 2001

- 7:00 AM Registration, Continental Breakfast, and Poster and Display Set-up (Ballroom)
- 8:00 AM *Opening/Administrative Remarks* (Ballroom)
- **Ms. Cynthia Nelson**, OFCM Senior Staff Meteorologist and Forum Coordinator
- 8:10 AM *Introduction*
- **Mr. Samuel P. Williamson**, Federal Coordinator for Meteorology
- 8:15 AM *Welcoming Remarks*
- **Mr. Scott B. Gudes**, Acting Under Secretary of Commerce for Oceans and Atmosphere and Acting Administrator of the National Oceanic and Atmospheric Administration (NOAA)
- 8:30 AM *Forum Objectives*
- **Mr. Samuel P. Williamson**, Federal Coordinator for Meteorological Services and Supporting Research
 - **Ms. Margaret Lawless**, Chairperson of the Subcommittee for Natural Disaster Reduction (SNDR) and Acting Executive Associate Director for Mitigation, Federal Emergency Management Agency (FEMA)
- 9:15 AM *FEMA Success Stories: Project Impact and Disaster Resistant Universities*
- **Ms. Maria Vorel**, Director, Outreach and Community Support, FEMA
 - **Mr. Brian Cowan**, Director, Office of Strategic Initiatives, FEMA
- 9:45 AM *The Role of Insurance in Hazard Resistant Communities*
- **Dr. Paul R. Kleindorfer**, Co-Director, Wharton Risk Management and Decision Processes Center, University of Pennsylvania

- 10:15 AM Refreshment Break (Ballroom)
- 10:30 AM *Introduction to Session on Interactive Tools, Poster Papers, and Displays* (Ballroom)
- **Dr. Stuart Nishenko**, Earthquake Policy Advisor, Mitigation Directorate and FEMA Forum Coordinator
- 10:40 AM *Interactive Tools*
- **Mr. Joseph Szwarcop**, Director, GDIN Committee Support Office: *The Global Disaster Information Network (GDIN)*
 - **Mr. Mark Reichardt**: *Open Geographic Information System (GIS) Consortium*
 - **Ms. Susan C. Clark**, Research and Communications Coordinator, Center for Integration of Natural Disaster Information (CINDI), U.S. Geological Survey (USGS): *CINDI Project*
- 11:15 AM *Poster and Display Session* (Ballroom)
- Baker, Inc: Ms. Kathryn Field: *Staying Afloat--A GIS-Based Communications Floodplain Management Tool*
 Ms. Jane Huzil: *Past, Present, and Future - Hazards U.S. (HAZUS), GIS-Based Loss Estimation Software*
 Mr. Edward Mifflin: *A Risk Analysis of Exposure to Natural Hazards in the U.S.*
 - Federal Emergency Management Agency (2 displays)
 - Centers for Disease Control and Prevention: Dr. Josephine Malilay, Team Leader for Disaster Epidemiology and Assessment, National Center for Environmental Health, *Estimating Health Risks from Natural Hazards Using Risk Assessment and Epidemiology*
 - National Academy of Sciences (book display)
 - Multihazard Mitigation Council of the National Institute of Building Sciences: Ms. Claret Heider (display)
 - U.S. Geological Survey: Mr. John Sutter, *Forecasting Geohazards Vulnerability in the Tri-State Region of Indiana, Kentucky, and Illinois*
 - University of DC: Dr. Mark Siegal, *Multihazard vulnerability assessment in the greater Evansville, IN (Tri-state) region: R&D tools for communication with non-geoscientists*
 - Oak Ridge National Laboratory/Department of Energy (DOE):
 Dr. John Sorensen and Dr. Barbara Vogt, *Risk Assessments of Environmental Hazards*
 - Cooperative Institute for Research in the Atmosphere (CIRA), Colorado State University:
 Dr. Chris Adams, Research Scientist: *Colorado State University Flash Flood Laboratory*
- 11:45 AM Working Lunch (Ballroom)
- 12:15 PM Luncheon Address
- Introduction: **Mr. Samuel P. Williamson**, Federal Coordinator
 - *Summary of Previous Studies/Reports Related to Risk Management of Natural Hazards and their Recommendations*
Dr. Dennis Mileti, Director of the Natural Hazard Research and Applications Information Center, University of Colorado

1:15 PM Reconvene General Session: **Mr. James Harrison**, (Ballroom)
Deputy Federal Coordinator

Panel: *Risk Assessment: Methodology and Approach* (Ballroom)

Moderator: **Col (sel) Mark Welshinger** (USAF), Assistant Federal
Coordinator for Department of Defense/Air Force and Army Affairs, OFCM

Rapporteur: **Mr. Robert Dumont**, OFCM Senior Staff Meteorologist

Panelists:

- **Ms. Karen Carson**, Deputy Director, Office of Plant and Dairy Foods and Beverages, Food and Drug Administration: *Methods used for Risk Assessment of Food Hazards*
- **Mr. Clifford Oliver**, Chief, Assessment Branch, Mitigation Directorate, FEMA: *Hazards U.S. (HAZUS)*
- **Dr. Michael MacCracken**, Director, National Assessment Center, U.S. Global Change Research Program (USGCRP), NOAA: *National Assessment of Global Change*

Discussion/Wrap-up

2:15 PM Breakout Sessions: *Process of Conducting Risk Assessments*

Instructions: Ms. Cynthia Nelson, OFCM Forum Coordinator

- Session 1A: *Characterize/Quantify Exposure* (Council Room, MZ)

Moderator: **Mr. Michael Buckley**, Director, Technical Services
Division, Mitigation Directorate, FEMA

Rapporteur: **Dr. Timothy Cohn**, Theme Coordinator for Hazards, USGS
National Center

- Session 1B: *Predict/Forecast Probability of Occurrence* (Ballroom)

Moderator: **Dr. David Cleaves**, National Program Leader, Fire Systems
Research, Research and Development, Vegetation
Management and Protection Research, USDA Forest Service

Rapporteur: **Dr. Rachelle D. Hollander**, Program Director, Societal
Dimensions of Engineering, Science, and Technology
Program, Ethics and Values Studies, Research on Science
and Technology, National Science Foundation

- Session 1C: *Estimating Losses* (Caucus Room, MZ)

Moderator: **Dr. Christopher Adams**, Research Scientist, Cooperative
Institute for Research in the Atmosphere (CIRA),
Colorado State University

Rapporteur: **Mr. Floyd Hauth**, OFCM Staff (STC)

3:15 PM Refreshment Break (Ballroom)

3:35 PM Reconvene Breakout sessions (assigned rooms)

4:35 PM Breakout sessions conclude

- 4:35 PM Moderators and rapporteurs compile session results (Ballroom)
- General Session: Poster Session Continued (Ballroom)
- 5:00 PM Moderators, rapporteurs, Federal Coordinator, OFCM Staff discuss day's results and session summaries.
- General Session Adjourn for the Day

Tuesday, February 6, 2001

- 7:15 AM Continental Breakfast (Ballroom)
- 7:55 AM Reconvene General Session: **Mr. James Harrison** (Ballroom)
Deputy Federal Coordinator

Recap of Day 1 Panel and Breakout Sessions by Moderators:

- Day 1 Panel: **Col (sel) Mark Welshinger** (USAF), Assistant Federal Coordinator
- 1A: **Mr. Michael Buckley**, FEMA
- 1B: **Dr. David Cleaves**, USFS
- 1C: **Dr. Christopher Adams**, CIRA, Colorado State University

- 8:45 AM *Research Review Presentations: Contributions to Natural Disaster Reduction and Risk Assessments* (Ballroom)
- Moderator: **Dr. Stuart Nishenko**, Earthquake Policy Advisor, Mitigation Directorate and FEMA Forum Coordinator
- Rapporteur: **Mr. Michael Neyland**, OFCM Staff (STC)

- *Subcommittee for Natural Disaster Reduction (SNDR) Strategic Plan*
Dr. Stuart Nishenko, FEMA

- | <u>Federal Agency</u> | <u>Presenter</u> |
|---|--|
| • U.S. Forest Service | Dr. David Cleaves , National Program Leader, Fire Systems Research, Research and Development, Vegetation Management and Protection Research |
| • U.S. Department of Agriculture, Agricultural Research Service | Dr. Steven Shafer , National Program Agricultural research Service Leader, Global Change |
| • National Institute of Standards and Technology | Dr. Dave Evans , P.E., Fire Research Division, Building and Fire Research Laboratory |
| • National Weather Service | Mr. Donald Wernly , Chief, Performance and Awareness Division, Office of Climate, Water, and Weather Services |
| • U.S. Geological Survey | Dr. Timothy Cohn , Theme Coordinator for Hazards, USGS National Center |
| • U.S. Army Corps of Engineers | Mr. Ronald R. Connors |

10:00 AM	Refreshment Break	(Ballroom)																				
10:15 AM	Reconvene General Session: Dr. Stuart Nishenko , FEMA Forum Coordinator Contributions Presentations Continue	(Ballroom)																				
	<table border="0"> <thead> <tr> <th><u>Federal Agency</u></th> <th><u>Presenter</u></th> </tr> </thead> <tbody> <tr> <td>• Environmental Protection Agency</td> <td>Mr. James Makris, Director, Center for Emergency Preparedness and Prevention Office (CEPPO)</td> </tr> <tr> <td>• Housing and Urban Development</td> <td>Mr. William E. Freeborne</td> </tr> <tr> <td>• Office of Oceanic and Atmospheric Research (NOAA)</td> <td>Dr. John Gaynor, Director, U.S. Weather Research Program (USWRP) Interagency Program Office</td> </tr> <tr> <td>• National Science Foundation</td> <td>Dr. Ann Bostrom, Program Director, Decision, Risk, and Management Sciences Program</td> </tr> <tr> <td>• Bureau of Economic Analysis</td> <td>Dr. Barbara Fraumeni, Chief Economist</td> </tr> <tr> <td>• Federal Emergency Management Agency</td> <td>Ms. Donna Dannels, Director, Policy and Assessment Division, Mitigation Directorate</td> </tr> <tr> <td>• US Nuclear Regulatory Commission</td> <td>Dr. Andrew J. Murphy, Senior Technical Advisor, Division of Engineering Technology</td> </tr> <tr> <td>• National Environmental Satellite Data and Information Service (NOAA)</td> <td>Ms. Frances C. Holt, Chief, Atmospheric Research and Applications Division</td> </tr> <tr> <td>• National Ocean Service</td> <td>Dr. Nathalie Valette-Silver, National Centers for Coastal Ocean Science (NCCOS) and SNDR Executive Secretary</td> </tr> </tbody> </table>	<u>Federal Agency</u>	<u>Presenter</u>	• Environmental Protection Agency	Mr. James Makris , Director, Center for Emergency Preparedness and Prevention Office (CEPPO)	• Housing and Urban Development	Mr. William E. Freeborne	• Office of Oceanic and Atmospheric Research (NOAA)	Dr. John Gaynor , Director, U.S. Weather Research Program (USWRP) Interagency Program Office	• National Science Foundation	Dr. Ann Bostrom , Program Director, Decision, Risk, and Management Sciences Program	• Bureau of Economic Analysis	Dr. Barbara Fraumeni , Chief Economist	• Federal Emergency Management Agency	Ms. Donna Dannels , Director, Policy and Assessment Division, Mitigation Directorate	• US Nuclear Regulatory Commission	Dr. Andrew J. Murphy , Senior Technical Advisor, Division of Engineering Technology	• National Environmental Satellite Data and Information Service (NOAA)	Ms. Frances C. Holt , Chief, Atmospheric Research and Applications Division	• National Ocean Service	Dr. Nathalie Valette-Silver , National Centers for Coastal Ocean Science (NCCOS) and SNDR Executive Secretary	
<u>Federal Agency</u>	<u>Presenter</u>																					
• Environmental Protection Agency	Mr. James Makris , Director, Center for Emergency Preparedness and Prevention Office (CEPPO)																					
• Housing and Urban Development	Mr. William E. Freeborne																					
• Office of Oceanic and Atmospheric Research (NOAA)	Dr. John Gaynor , Director, U.S. Weather Research Program (USWRP) Interagency Program Office																					
• National Science Foundation	Dr. Ann Bostrom , Program Director, Decision, Risk, and Management Sciences Program																					
• Bureau of Economic Analysis	Dr. Barbara Fraumeni , Chief Economist																					
• Federal Emergency Management Agency	Ms. Donna Dannels , Director, Policy and Assessment Division, Mitigation Directorate																					
• US Nuclear Regulatory Commission	Dr. Andrew J. Murphy , Senior Technical Advisor, Division of Engineering Technology																					
• National Environmental Satellite Data and Information Service (NOAA)	Ms. Frances C. Holt , Chief, Atmospheric Research and Applications Division																					
• National Ocean Service	Dr. Nathalie Valette-Silver , National Centers for Coastal Ocean Science (NCCOS) and SNDR Executive Secretary																					
11:45 AM	Working Lunch	(Ballroom)																				
12:15 PM	Luncheon Address																					
	<ul style="list-style-type: none"> • Introduction: Ms. Margaret Lawless, Acting SNDR Chairperson and Acting Executive Associate Director for Mitigation, FEMA • <i>Media and Disasters: Why we are not the enemy.</i> Mr. Daniel Dubno, Producer and Technologist, CBS News Special Events 																					
1:10 PM	Reconvene General Session: Ms. Cynthia Nelson , OFCM Forum Coordinator	(Ballroom)																				
1:15PM	Breakout Sessions: <i>Risk Management Discussions--Ramifications of Risk Assessment and Decision Making for Natural Hazards</i> Instructions: Ms. Cynthia Nelson , OFCM Forum Coordinator																					

- Session 2A: *How to characterize and reconcile the tradeoffs implicit in making risk management decisions?* (Council Room, MZ)
 Moderator: **Dr. John Sorensen**, Director, Emergency Management Program, Oak Ridge National Laboratory (DOE)
 Rapporteur: **Col (sel) David A. Smarsh** (USAF), PhD, Deputy to NOAA for Federal and National Programs
- Session 2B: *How do we improve and/or change policies (private and government) using risk management that will assist in natural disaster reduction?* (Ballroom)
 Moderator: **Dr. Ben Wisner**, Environmental Studies Program, Vice-chair, IGU Commission on Hazards and Risks and Vice-chair, Earthquakes and Megacities Initiative, Oberlin College
 Rapporteur: **Dr. Paula Davidson**, Sciences Plans Branch, Office of Science and Technology, National Weather Service, NOAA
- Session 2C: *Risk Management and Public Perception of Vulnerabilities - How do we build the public's awareness of risks and their vulnerabilities so that mitigation efforts will provide the maximum benefits?* (Caucus Room, MZ)
 Moderator: **Dr. Betty Hearn Morrow**, Director, Lab for Social and Behavioral Research, International Hurricane Center, and Professor, Department of Sociology and Anthropology, Florida International University
 Rapporteur: **Ms. Kathleen Gohn**, U.S. Geological Survey

2:15 PM Refreshment Break, and View Displays and Posters (Ballroom)

Moderators and rapporteurs compile breakout session results and discuss with Federal Coordinator and SNDR Chairperson

3:00 PM Reconvene General Session: **Ms. Cynthia Nelson**, OFCM Forum Coordinator (Ballroom)

Recap of Breakout Sessions by Session Moderators

- 2A: **Dr. John Sorensen**, Oak Ridge National Laboratory, DOE
- 2B: **Dr. Ben Wisner**, Oberlin College
- 2C: **Dr. Betty Hearn Morrow**, Florida International University

3:30 PM Panel: *National Perspectives on Risk Assessment and Decision Making for Natural Hazards* (Ballroom)

Moderator: **Dr. Susan Cutter**, President, Association of American Geographers and Director, Hazards Research Laboratory, University of South Carolina

Rapporteur: **Dr. Nathalie Valette-Silver**, National Centers for Coastal Ocean Science, National Ocean Service, NOAA

Panelists:

- **Dr. Ronald McPherson**, Executive Director, American Meteorological Society
 - **Dr. Robert Hamilton**, Deputy Executive Director, Division on Earth and Life Studies, National Research Council
 - **Dr. Margaret Davidson**, Acting Assistant Administrator for Ocean Services and Coastal Zone Management, National Oceanic and Atmospheric Administration
 - **Dr. Robert Hirsch**, Associate Director for Water, U.S. Geological Survey
 - **Mr. Robert F. Shea**, Director, Program Support Division, Mitigation Directorate, Federal Emergency Management Agency
-
- Discussion/Wrap-up

5:00 PM *Next Steps/Action Plan* (Ballroom)

- **Mr. Samuel P. Williamson**, Federal Coordinator for Meteorological Services Supporting Research
- **Ms. Margaret Lawless**, Chairperson of SNDR and Acting Executive Associate Director for Mitigation, FEMA

5:30 PM Adjourn
Posters and Displays disassembled and removed.